Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/26/2018 12:33 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124785	-1	2.00	124592	1.95
Blue	F	SSC	125000	124125	-1	3.54	124408	3.36
Blue	E	FITC	23615	22679	-4	2.81	1012	11.10
Blue	D	PE	26739	26181	-3	2.47	940	10.45
Blue	B	PerCP-Cy5-5	48339	47661	-2	3.85	1374	17.97
Blue	A	PE-Cy7	45021	44550	-2	5.64	689	37.28
Red	C	APC	53064	51775	-3	2.88	2961	9.75
Red	A	APC-Cy7	57175	56480	-2	2.86	1182	11.47
Violet	B	V450	14728	14089	-5	4.99	670	9.77
Violet	A	V500	58621	56715	-4	4.86	2508	7.26

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19328	3.36	615	1	N/A	N/A	Pass
Blue	F	SSC	61434	1.85	561	15	N/A	N/A	Pass
Blue	E	FITC	112	41.08	550	2	0.0176	122	Pass
Blue	D	PE	204	31.42	542	6	0.1466	272	Pass
Blue	B	PerCP-Cy5-5	213	48.79	643	8	0.0090	132	Pass
Blue	A	PE-Cy7	71	134.27	701	8	0.0109	26	Pass
Red	C	APC	339	29.24	600	3	0.0193	91	Pass
Red	A	APC-Cy7	129	41.78	583	3	0.0052	1696	Pass
Violet	B	V450	82	45.89	462	-8	0.0465	2502	Pass
Violet	A	V500	181	24.84	489	-8	0.0135	701	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.33	-30.80	0.98
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.35
Red	16.51	14.40 - 21.60	N/A	N/A	30.63	31.01	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 12520

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments